

TOP 12 REASONS TO CHOOSE HPE PRIVATE CLOUD PC3000

HPE Private Cloud PC3000 enables customers to deploy agile, self-service cloud everywhere, from on-premises with choice of workload-optimized hyperconverged infrastructure, to public cloud with Amazon and Microsoft. The VM-centric cloud offering brings the agility of cloud operations and the control of on-premises infrastructure to apps and data everywhere.

Here are the top reasons to consider HPE Private Cloud PC3000:

1. Designed for zero overprovisioning, better economics

Traditional HCI solutions have linear, fixed scaling of resources that are typically overprovisioned, and they wind up sitting idle on each node. Admins have to scale HCI configurations by adding nodes with both compute and storage resources, forcing them to pay for unwanted storage capacity. These islands of overprovisioned compute and storage can be costly to manage for your business. But you can avoid all that wasteful overprovisioning with the flexible, independent scale of compute and storage resources, the efficient all-in-one with HA and data protection built-in, and pay per use* economics that HPE Private Cloud provides. At scale, this helps lower costs, so you spend less on nodes and less on rack space, and you avoid the VM hypervisor and software license tax when you just need storage without compute.

2. Optimizing cost of virtualized infrastructure

HPE Morpheus VM Essentials Software includes the HPE VM Essentials KVM-based hypervisor but also supports your existing VMware® licenses, providing ease of use, agility, and a unified experience for HPE VM Essentials and VMware clusters. The KVM stack is ideal for those exploring alternatives to VMware, starting with non-mission-critical workloads such as test and development and end-user computing.

* May be subject to minimums or reserve capacity may apply

3. One-stop management

Single console for managing VMs and infrastructure across your fleet, on-premises, and in the cloud. Manage, provision, and protect your VMs whether in your edge locations, at core sites, or in the cloud at Amazon AWS and Microsoft Azure to streamline and simplify hybrid cloud operations. Representing the evolution of HPE hyperconverged solutions, customers gain a single console for easily managing and scaling your global fleet of VMs and workloads. Agile self-service is enabled from a single, global dashboard to give customers control. Automated provisioning of VMs and applications works from within the GreenLake cloud.

4. One-stop cluster management

Choice of hypervisors that provides customers with choice, flexibility, and control with a strategy leveraging existing hypervisors and HPE VM Essentials. Simplify management across existing hypervisor clusters and HPE VM hosts with a unified experience for enhanced operational agility.

5. Fast time to value

Leverage an intuitive, cloud experience for private and hybrid cloud management and automated blueprints to accelerate deployments and speed innovation. HPE Private Cloud abstracts the control and management plane from the underlying infrastructure to GreenLake. It provides cloud-managed infrastructure, which means you have everything you need at your fingertips to globally deploy, manage, upgrade, and optimize your entire fleet of VMs and infrastructure—wherever it is in the world. The cloud-native control plane scales autonomously with infrastructure, so managing hundreds of systems across geographies is as simple as managing one.

6. Get time back

Solves **day 2** and beyond issues faster with artificial intelligence (AI)–managed operations. HPE Private Cloud PC3000 includes HPE InfoSight that empowers users with AIOps and unique cross-stack analytics for VMware. Customers not only gain insights into their VMs but also benefit from guided troubleshooting of performance bottlenecks across the full stack—including clusters, hosts, datastores, and VMs. In fact, 86% of issues are automatically opened and resolved.¹ Hewlett Packard Enterprise reduces business disruption to help keep your business applications always on, always fast.

¹ [“HPE storage substantiation,”](#) HPE, 2024

7. More resilient architecture with fast, easy upgrades

HPE Alletra Storage MP disaggregated architecture with all-active scalable controllers delivers 100% data availability while enabling independent scaling of compute and storage resources. Enjoy uncompromising resiliency and performance from the start with a simple, secure platform for running VMs. Our design results in more resiliency than alternatives and delivers 100% data availability for mission-critical applications.² Intelligent, nondisruptive lifecycle upgrades are fully automated across one or multiple clusters and designed to be faster and easier empowering you to self-manage and control when you want to upgrade your infrastructure including both HPE VM Essentials and VMware hypervisor.

8. Performance for critical apps, at scale

HPE Private Cloud overcomes performance limits that may exist with traditional infrastructure. Database workloads requiring low write latencies and large VM farm performance and capacity requirements can be easily met based on the disaggregated architecture delivering better economics at scale.

9. Up to 100% data availability

HPE Private Cloud leverages HPE Storage and HPE ProLiant, foundations with choice of 99.999% to 100% data availability—and, unlike alternatives, HPE delivers data availability for every customer.³ Better still, the offer is powered by HPE InfoSight and AIOps capabilities, which predicts and prevents problems before the business is impacted. With HPE, customers don't need to make trade-offs between high availability, data reduction, and performance.

10. Predictive support with direct access to experts

Typical tiered support models provided by alternatives can take forever. Your business can't afford that wasted time. HPE Private Cloud leverages a unique support experience. Let AI-driven recommendations take the guesswork out of managing data infrastructure and leverage predictive support automation and direct access to experts to help eliminate time-consuming escalations.

^{2,3} [“HPE storage substantiation,”](#) HPE, 2024



11. Secure and protected

Simplify hybrid cloud protection and mobility. Harness hybrid cloud data protection and VM mobility to help with business continuity and managing risk. The service goes beyond resiliency with extra VM-centric data protection, rapid restore, and VM mobility for disaster recovery. Seamless data mobility helps ensure your hybrid cloud is protected.

12. Designed to fit your environment

HPE Private Cloud management console delivers value to both traditional HPE Alletra dHCI and HPE SimpliVity customers who own their assets with up-front payment as well as to GreenLake customers who subscribe with pay-per-use consumption. The offer helps both types of customers. You can easily add resources to scale as your business grows, and you benefit from a choice of consumption models that enables your team to focus on innovation. The solutions are designed, so you can achieve faster time to value for your application deployments, avoid wasteful overprovisioning, and easily protect and control of your data.

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a50007883ENW, Rev. 8

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